

What is claimed is:

1. A catalyst for purification of exhaust gas comprising:
 - a carrier, and
 - a catalyst layer containing an alkali metal and/or an alkaline earth metal, the catalyst layer being loaded on the carrier,in which catalyst the carrier-composing material contains Si in an amount of 0.5 to 10.0% by weight as expressed as an oxide.
- 5 10 2. A catalyst for purification of exhaust gas according to Claim 1, wherein the carrier-composing material contains Si in an amount of 1.0 to 6.0% by weight as expressed as an oxide.
- 15 3. A catalyst for purification of exhaust gas according to Claim 1, wherein the carrier has a thermal expansion coefficient of $6.0 \times 10^{-6}/^{\circ}\text{C}$ or less.
4. A catalyst for purification of exhaust gas according to Claim 1, wherein the carrier-composing material is aluminum titanate.
- 20 5. A catalyst for purification of exhaust gas according to Claim 4, wherein the carrier-composing material further contains Mg and/or Fe.
6. A catalyst for purification of exhaust gas according to Claim 1, wherein the catalyst layer contains K.
- 25 7. A catalyst for purification of exhaust gas according to Claim 1, wherein the carrier is a honeycomb carrier.
8. A catalyst for purification of exhaust gas according to Claim 1, wherein the catalyst layer contains at least one kind of noble metal selected from Pt, Pd and Rh.